The Freezing Point of Helium Jas le

Just Above It. Although familiar to scientists, it is not generally known that the true zero of heat has been determined. By this absolute zero is meant a temperature which cannot get any colder, which means that no heat whatever exists or can exist at that point. This point is only about 450 degrees below the zero of our ordinary Fahrenheit thermometers or 273 degrees below the zero centigrade. To realize what it signifies a few words must be placed here defining neat itself.

Heat is caused simply by the thousands of little molecules in any body or thing vibrating very fast and thus sending out waves into the ether. When these waves strike any matter they cause that matter to become not, as we say. Now, the faster these molecules vibrate the more beat is given out and the hotter is the body itself. The slower the molecules the colder the body. So, if a condition could be reached where the molecules did not vibrate at all, why, there could be no heat, and therefore the body would be absolutely cold. This condition of affairs is reached at the above mentioned number of degrees below our ordinary scales. It is needless to say, bowever, that this absolute zero of beat has never been attained on this earth, the closest ever reached by man being one degree above it. This is 272 below zero centigrade and is the freezing point of pelium gas, which a German professor claims to have frozen at that tempera

From this theory of heat a peculiar view is obtained of our bodies and articles of matter. We would find, if we had a microscope to see small enough, that every bit of matter at any temperature that we can now get is a seething mass of moving molecules and vibrating particles. One proof of this is when a metal expands on becoming warmer. If we weigh it we find that a not body weighs no more than the same body cold, yet it gets larger, both longer and broader. To do this it must be composed of moving particles that on becoming excited get farther apart. Another proof is that liquids and gases have been forced through every solid that exists almost. Thus water has been forced through lead, sulphur dioxide through fron, etc. The computed size of these molecules is rather interesting. It is claimed that if a drop of water represented the earth the number of mole cules in the drop would be about equal to the number of grains of sand in the earth.-Exchange.

Changing Her Mind.

By an unwritten law it is held to be the privilege of woman to change her mind, a license of which she rarely fails to avail berself. The German proverb has it that "women are variable as April weather." According to an old English adage, "A woman's mind the winter winds change oft." In Spain it is much the same: "Women, wind and fortune soon change. and she can laugh and cry both in a wind." The old Latin poet Catulius was of opinion that "what a woman says to her ardent lover ought to be written on the winds or on running water." Even the gallant Sir Philip Sidney wrote:

He water plows and soweth in the sand And hopes the flickering wind with net Who hath his hopes said on a woman's

-Kansas City Star.

"Yassah, I suttingly would do dat job for yo', colonel, and proud o' de chance to extinguish mulse'f. Would borraw right in on it dis minute, sah, if 'twuzn't for one thing." said a certain lopsided colored citizen who was so unafraid of manual labor that he would often fall asleep in its presence. "and dat is, sah, dat I never likes to stigmatize mulse'f by working on a hollerday.

"Why, this is not a holiday," returned the would be employer. "Yassah! "Tis wid me, if you'll dars 'skuse me, sah. It's de university o' de day mub oldest boy was done sent to de penitenchy."-Puck.

Wild Animals In New York City. It is a remarkable fact that there are always more wild animals about than any but the expert has an idea of. For example, there are within twenty miles of New York city fully fifty different kinds-not counting birds, reptiles or fishes-one-quarter of which at least are abundant, or more particularly within the limits of Greater New York there are at least a dozen species of wild beasts, half of which are quite common.-Country Life in America.

Getting Used to 'Em.

"I just have heard of the arrival of the third child in the Jones family,' remarked the woman. "The announcement of the firstborn was made by beautifully engraved cards tied with tiny white ribbon, the second was by telegraph, and this third one, though a much wished for boy, was made merely by a postal card."-New York Press.

She Could Talk Cynicus-That girl never says much, does she? Sillieus-Why, she talks all the time. Cyulcus-That doesn't alter my contention.-Philadelphia Record.

Doubted the Statistics. "How did Harkins act when he heard he had triplets in his family?" "He could hardly believe his own census."-Boston Transcript.

Our wealth is often a snare to our-Our wealth is often a snare to our-selves and always a temptation to two persons have been made one.—

Fever Sores.

should not be healed entirely, but that's all. No matter how you get should be kept in healthy condition. This can be done by applying Chamberlain's Salve. This salve you'll be over it in no time. The has no superior for this purpose. It is also most excellent for chapped hands, sore nipples, burns and disceases of the skin. For sale by all Bank Pharmacy. good druggists.

Work for a Greater St. Johns.

CURIOUS EPITAPHS.

Brevity on a Tombatone-Douglas Jer-

rold's Suggestion. Among the 1,300 epitaphs collected by Ernest R. Suffling in "Epitaphia" are many quaint and curious specimens. Grimaldi off the stage was said to be a sufferer from melancholia. It will be remembered that, going to a physician on one occasion, he described his case, when the worthy doctor briskly told him to "shake off the feeling. Go and see Grimaidi, and if he does not cure you your case is indeed hopeless." "Alas," said the poor sufferer. "I am Grimaidi." His epitaph

rends "Here Am L" A prize of £100 is said to have been offered by one Thorpe, who was desirous of being perpetuated but briefly on his tombstone. One competitor sent in "Here Lies Thorpe's Corpse." This was certainly brief enough, but finally it was cut to "Thorpe's Corpse." Many of our readers know the Douglas Jerroid and Charles Knight story. They were dining together on one occasion when the conversation turned upon epitaphs. Knight half in jest suggested that Jerroid should write his (Knight's) epitaph. The subject dropped at the time; but, walking home together in the evening, they came to a spot where each had to take a separate road. Jerrold, extending his hand to his friend, remarked, "I've thought of a capital epitaph for you." 'What is it?' said his friend, much interested. "Oh, very brief and very imple, 'Good Night!' "

There are many curious epitaphs on wives, Here's one from Ulverston,

Here lies my wife, Here lies she, Hallelujah! Hallelujee!

An inscription placed over the grave of a missionary who was accidentally shot in India read thus:

Here lies the Rev. A. B., For many years missionary in B. district. He was accidentally shot by his native "Well done, thou good and faithful serv-

At Chelmsford, Essex, on a stone to the memory of "Mary Blewitt of the Swan" it is stated that she "was the wife of nine husbands successively, but the ninth outlived ber." It is added, "The Text to Her Funeral Sermon Was, 'Last of All, the Woman Died Also,' "-Westminster Gazette

A VERY QUEER BIRD.

The One Young Mark Twain Sprung Upon the Scientists.

Mark Twain's father was an ornithologist. He had several friends who were also enthusiasts on the subject of birds. Whenever any one of them discovered a rara avis it was the custom to have a consultation. Mark had been a witness of several of these bird inquests and had noted the delight the old men took in discussing a new found specimen. One day it occurred to him to provide the Hannibal ornithologists with a real circus in the form of a bird. He killed a crow and also a barnyard rooster. Plucking out the tail feathers of both the crow and the rooster, he substituted the rooster's tall feathers for those of the crow, producing a unique effect. When he had the specimen nicely prepared he went to his father and, handing it to him. said:

"Here, father, is a very curious bird shot. I thought you would be inter-

The old gentleman gazed upon the specimen with astonishment. evening the ornithologists of Hannibal were assembled in Mr. Clemens' parlor. The rare specimen was put before them. The discussion was long and learned. The opinions expressed were various. One thought the bird was an offshoot of the bird of paradise family; others had equally ridiculous notions as to its ancestry. But there was one who refused to be swerved by the peculiarity of the bird's tall from the judgment that it

was of the crow family. "Why, just look here," he said, lift-ing the bird by its tall feathers. He got no further. The feathers came out. There was a quick closing of a door. Mr. Clemens started to leave

the room. "Gentlemen," he said, "please excuse me a few moments. I will see Samuel first and explain later."

The Commons. The "second chamber," or "commons," or "popular assembly," or "house of representatives," as it is variously termed, takes us back to the battle between the Patricians and Plebs in republican Rome. In the language of a very high authority on the subject, "The first real anticipation of a second (popular) chamber, armed with a veto on the proposals of a separate authority and representing a different interest (the interest of the body of the people as opposed to the interest of the hitherto dominant aristocracy), occurs to the Roman tribunate. When the Roman Plebs got their tribunes the very beginning of the modern machinery of the commons or house of representatives was estab-lished.—New York American.

Tommy's Defense. Mamma-Tommy, you've been fight-ing again. Your clothes are torn, and

your face is scratched. Why can't you do like your little sister? She never fights. Small Tommy-Well, mamma it's better to have a good square fight and get all the mad out of you than to tarry it in you for months like girls lo.-Chicago News.

More's the Pity. Patience-It takes two to make quarrei, you know. Patrice—And yet l Yonkers Statesman.

Caught in the Rain

then a cold and a cough-let it run Fever sores and old chronic sores on-get pneumonia or consumption.

RESOLUTION.

It is resolved by the city of St. Johns: That, whereas on the 2d day of March 1909, the council, by resolution, deemed it expedient to change and alter Buch-anan street by widening the same, to wit: By including in said street and making a part thereof the following de-scribed land:

Beginning at a stone in the intersec-tion of the center line of Willis boulevard and Buchanan street as laid off in South St. Johns; run thence westerly along the center line of Buchanan street 40 feet to the west line of Willis boulevard; thence northerly along the west line of Willis boulevard 27.5 feet to a point; thence westerly and parallel to the center line of Buchanan street, as laid off in South St. Johns, 572.54 feet to a point; thence southerly and parallel to the center of Dawson street 27.5 to the center of Buchanan street; the erly along the center line of Buchanan street to the place of beginning, omit-ting a portion of Dawson street included, containing in all 14094.8 square feet or 32 acres, and

Whereas, the city engineer thereafter and within twenty days filed his plat, written report and survey of said street with the city council; and the council thereafter on the 4th day of May, 1909, thereafter on the 4th day of May, 1909, by Ordinance No. 228 of said city, adopted said report, and thereafter and within sixty days council appointed three disinterested freeholders of the city of St. Johns, possessing the qualifications of jurors of Multnomah county, to view such proposed change and to make assessment of damages and benefits caused by said change, and

by said change, and
Whereas, the viewers so appointed filed said report, which said report was by said council rejected; and the council thereupon ordered said viewers to again thereupon ordered said viewers to again proceed and view said proposed change and to file said report, which said report was filed the 5th day of November, 1909, and was thereafter adopted by ordinance embodying said report, as shown by Ordinance No. 269, passed by the council and approved by the mayor the 30th day of November, 1909, and Whereas, all assessments levied against the property especially benefited by

the property especially benefited by such change have been fully paid and all damages so assessed have been fully Now, therefore, be it resolved by the

city of St. Johns that the said Buchanan street be and the same is hereby altered and changed by widening the same, and that the following tract of land be, and the same is hereby declared to be a public street and to constitute a portion of Buchanan street in the city of St. Johns. to wit:

Beginning at a stone in the intersec tion of the center line of Willis boule-vard and Buchanan street, as laid off in South St. Johns; run thence westerly along the center line of Buchanan street to feet to the west line of Willis boule vard; thence northerly along the west line of Willis boulevard 27.5 feet to a point; thence westerly and parallel to the center line of Buchanan street, as laid off in South St. Johns, 572.54 feet to a point; thence southerly and parallel to he center of Dawson street 27.5 to the center of Buchanan street; thence easter y along the center line of Buchanan street to the place of beginning, omit-ting a portion of Dawson street included ining in all 14094.8 square feet or

And the city engineer is hereby direct ed and instructed to, within thirty days from the adoption of this resolution, file for record a copy thereof in the office of the county clerk of Multnomah county. Adopted this 18th day of January

Recorder.

Published in the St. Johns Review,

SUMMONS

In The Circuit Court Of The State Of Oregon, For The County Of Multnomah.
August H. Johanningsmeier, Plaintiff,
vs Caroline Johanningsmeier, Defendant.
To Caroline Johanningsmeier, the above
named defendant:

In the name of the State of Oregon, you are hereby required to appear and answer the complaint filed against you in the above court an suit within six weeks from the date at the first publication of this summons, to wit, from the 31st day of December, 1909; and if you fail to so appear or answer or otherwise plead in said suit, the plaintiff above named will apply to the above entitled court for the relief demanded in plaintiff's complaint filed in said suit, to wit: For a decree dissolving the bonds of matrimony now and heretofore existing between plaintiff and yourself and absolutely divorcing plaintiff from you, and for such other and further relief as may seem to said court equitable and just.

This summons is published pursuant to the order of the Honorable Earl C. Bronaugh, Judge of the above entitled court, made in open court, in this cause, on the 29th day of December, 1909, which order prescribes that this summons be published in the St. Johns Review, a weekly newspaper, once each week for a period of not less than six weeks. The first publication of this summons was made on the 31st day of December, 1909, and the last publication thereof will be on the 11th day of Pebruary, 1910.

COLLIER & COLLIER, Attorneys for Plaintiff

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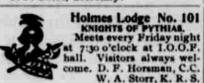
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